

December 2, 1982

Memo to File

RE: Field tours & follow-up phone
conversation
Chevron Phosphate
Vernal Operations
ACT/047/007
Uintah County, Utah

On August 3, 1982 and November 11, 1982, Division officials Susan Linner, Tom Portle and Tom Tetting conducted an inspection of the above mentioned operation. They were accompanied by Dorene Bassler, LeRoy Fyock, Dick Hadenham and Fred Riding of Chevron Resources.

The meeting began with an office update on reclamation activities and operations progress during which Mr. Fyock requested clarification as to the informational requirements that the company had promised in the first quarter of 1982. Mr. Fyock had recently assumed duties as the environmental coordinator. Following an opaque account of the status of permitting by Mr. Riding, Mr. Hadenham directed Mr. Fyock to resolve this matter in a timely fashion.

A field tour mainly involving recently reclaimed areas was conducted. A fifty (50) acre site in area A had been contour terraced and reseeded.

Various compliance activities had occurred since the August 3, 1982 inspection. These include the following:

1. Seeding and mulching of all downslopes of the road fill adjacent to Brush Creek.
2. The culvert associated with this fill and areas adjacent to it had benefit of the placement of some cement around the culvert and rip-rap adjacent to minimize erosion hazard. A moderate erosion problem is still in existence on the southwest bank over the fill and the bank.

With reference to the August 3 inspection, noteworthy facts included:

1. Morrisison and Knudsen were waiting on a revised mine plan.
2. Native plants had been employed to assist in revegetation concerns.
3. The Brush Creek buffer zone plan was said to be in the process of being addressed in the mine plan.
4. Surface water monitoring stations were said to be in place on Brush Creek.
5. Overburden toxicity tests at pannel B were said to have been conducted.
6. Groundwater test holes near new tailings site were discussed.

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In a November 23, 1982 phone conversation I talked with Mr. Fyock who informed me of progress made since the November 11 inspection. This consisted of a November 22 meeting with Clay Perschon of the Division of Wildlife Resources (DWR) and further spoil recontouring. Based on a November 30, 1982 conversation between Clay Perschon and myself it appears that DWR concerns regarding a wildlife migration barrier have largely been alleviated by commitments not to leave highwalls and by the observation of wildlife passing through operational areas. In short, DWR and DOGM concerns with sedimentation of Brush Creek have been addressed by the company by implimenting buffer zones, stabilization of fill slopes and the implementation of a hydrologic monitoring program.

Mr. Fyock promised to address the following areas in the "catch all" amendment package to be completed by years end.

1. Details on the slurry ditch (two acres previously undisturbed) which is being implemented downstream from the tailings dam.
2. Details regarding the seed mix, mulch rate and application of netting on fill slopes near Brush Creek should be provided.
3. A map showing all surface and ground water monitoring points. Including a narrative describing sampling frequency the parameters sampled as well as data accumulated to date to document the effectiveness of sediment control procedures.
4. A map delineating the extent of the buffer zones.
5. Toxicity data taken of overburden materials.
6. Soils data on the McIntyre tongue as well as all soils data compiled by Native Plants as related in a November 23, 1982 letter from Mr. Fyock. In addition, all details regarding the procedures for topsoil management should be provided.
7. A mining and reclamation plan relative to the sagmill.
8. Consideration of any necessary update of the bonding to reflect modifications.

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TLP/tck

c: Susan Linner, DOGM
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